

**RECOMMENDED CORE DATA SET
FOR
STATE IMMUNIZATION INFORMATION SYSTEMS**

**Extracted from
Guidelines for State Immunization Information Systems
Version 2.8.3**

The CVX Vaccine Table and MVX Manufacturer Table in this document were updated 01/14/98.

For current versions of these tables, go to the following web address:

<http://www.cdc.gov/nip/registry/download/coredt28.pdf>

Listing of Core Data Set
(Core data items are listed in **bold** print.)

The primary change in Version 2.6 of the Guidelines from the previous version is the refinement of core data items. This data set was prepared by the National Immunization Program in consultation with the Immunization Grantee Working Group. It was reviewed by the National Vaccine Advisory Committee, and recommendations of the Committee were incorporated. Contributions have also been made by public health representatives and private providers. In Version 2.7, patient birth order was added as an optional item to aid in patient identification in the event of multiple births, and the vaccine and manufacturer tables were updated. Version 2.8 again updated the vaccine table. Version 2.8.1, dated 6/3/97, updated the vaccine table to add code 53 (Typhoid--parenteral, acetone-killed, dried (U.S. military)). Version 2.8.2, dated 10/1/97, updated the vaccine table to add 28 new codes (codes 54-81). Codes for these vaccines were requested by HL7 users to represent vaccines not commonly used in the United States. Version 2.8.3, dated 1/14/98, updated the vaccine table to add 11 new codes (codes 82-92) and updated the manufacturer table. It is anticipated that record exchanges will occur within the framework of nationally recognized standards. To that end, a standard message for immunization data exchange has been developed using Health Level 7 (HL7) Standard Version 2.3. The vaccine type and manufacturer tables that appeared in previous versions of this document are now represented by the CVX and MVX code sets, respectively, in the HL7 standard.

Patient/system/state identifiers

(Until a unique personal identifier can be established on a national basis, multiple means of identification must be used.)

Patient name: first, middle, last

Patient alias name: first, middle, last
(former names for management of adoptions and name changes)

Patient address, phone number, birthing facility:
(these variables should be locally defined)

Patient Social Security number (SSN)

Patient birth date

Patient sex

Patient race

Patient primary language

Patient birth order

Patient birth registration number

Patient birth State/country

Patient Medicaid number

Mother's name: first, middle, last, maiden

Mother's SSN

Father's name: first, middle, last

Father's SSN

Immunization Event Identifiers

Vaccine type (See HL7 standard code set CVX (Codes for Vaccines Administered)--attached; for most recent update see <http://www.cdc.gov/nip/registry>)

Vaccine Manufacturer (See HL7 standard code set MVX (Manufacturers of Vaccines)--attached; for most recent update see <http://www.cdc.gov/nip/registry>)

Vaccine dose number:

NOTE: With a fully operating system, this variable is not needed. However, in the real world, and particularly during the initial startup phase, many systems will be gathering partial histories; therefore, to evaluate histories properly, dose number becomes very important. The ultimate goal would be to remove this variable from the core data set, within the first 2 to 3 years of system operation.

Vaccine expiration date

Vaccine injection site

Vaccination date

Vaccine lot number

Vaccine provider

Vaccine adverse events monitoring

[Such events must be linkable to the existing national adverse events surveillance system, with immunization information systems having ability to electronically report, without redundant keying of information to the Vaccine Adverse Events Reporting System (VAERS).]

Vaccine preventable disease reporting

[Such disease events must be linkable to existing local, state and national disease reporting systems, with the immunization information systems having ability to electronically report, without redundant keying of information to the appropriate disease reporting systems.]

Health Level 7 (HL7) Standard Code Set CVX (Codes for Vaccines Administered)
maintained by the Centers for Disease Control and Prevention

The Centers for Disease Control and Prevention's National Immunization Program maintains the HL7 external code set CVX. The implementation of the HL7 standard for immunization data exchange is described in chapter 4 of the Health Level 7 (HL7) Standard. The codes in HL7 table 0292 represent the January 14, 1998 revision of the external CVX code set. The most recent update of this code set is available at <http://www.cdc.gov/nip/registry>.

CVX--Codes for Vaccines Administered
Updated January 14, 1998
(parenteral, unless oral is noted)

Code	Short Description	Full Vaccine Name
54	adenovirus, type 4	adenovirus vaccine, type 4, live, oral
55	adenovirus, type 7	adenovirus vaccine, type 7, live, oral
82	adenovirus, NOS	adenovirus vaccine, NOS
24	anthrax	anthrax vaccine
19	BCG	Bacillus Calmette-Guerin vaccine
27	botulinum antitoxin	botulinum antitoxin
26	cholera	cholera vaccine
29	CMVIG	cytomegalovirus immune globulin, intravenous
56	dengue fever	dengue fever vaccine
12	diphtheria antitoxin	diphtheria antitoxin
28	DT (pediatric)	diphtheria and tetanus toxoids, adsorbed for pediatric use
20	DTaP	diphtheria, tetanus toxoids and acellular pertussis vaccine
50	DTaP-Hib	DTaP- <i>Haemophilus influenzae</i> type b conjugate vaccine
01	DTP	diphtheria, tetanus toxoids and pertussis vaccine
22	DTP-Hib	DTP- <i>Haemophilus influenzae</i> type b conjugate vaccine
57	hantavirus	hantavirus vaccine
52	Hep A, adult	hepatitis A vaccine, adult dosage
83	Hep A, ped/adol, 2 dose	hepatitis A vaccine, pediatric/adolescent dosage, 2 dose schedule
84	Hep A, ped/adol, 3 dose	hepatitis A vaccine, pediatric/adolescent dosage, 3 dose schedule
31	Hep A, pediatric, NOS	hepatitis A vaccine, pediatric dosage, NOS
85	Hep A, NOS	hepatitis A vaccine, NOS
30	HBIG	hepatitis B immune globulin
08	Hep B, adolescent or pediatric	hepatitis B vaccine, pediatric or pediatric/adolescent dosage
42	Hep B, adolescent/high risk infant	hepatitis B vaccine, adolescent/high risk infant dosage
43	Hep B, adult	hepatitis B vaccine, adult dosage
44	Hep B, dialysis	hepatitis B vaccine, dialysis patient dosage
45	Hep B, NOS	hepatitis B vaccine, NOS
58	Hep C	hepatitis C vaccine
59	Hep E	hepatitis E vaccine
60	herpes simplex 2	herpes simplex virus, type 2 vaccine
46	Hib (PRP-D)	<i>Haemophilus influenzae</i> type b vaccine, PRP-D conjugate
47	Hib (HbOC)	<i>Haemophilus influenzae</i> type b vaccine, HbOC conjugate
48	Hib (PRP-T)	<i>Haemophilus influenzae</i> type b vaccine, PRP-T conjugate
49	Hib (PRP-OMP)	<i>Haemophilus influenzae</i> type b vaccine, PRP-OMP conjugate
17	Hib, NOS	<i>Haemophilus influenzae</i> type b vaccine, conjugate NOS
51	Hib-Hep B	<i>Haemophilus influenzae</i> type b conjugate and Hepatitis B vaccine
61	HIV	human immunodeficiency virus vaccine
62	HPV	human papilloma virus vaccine
86	IG	immune globulin, intramuscular
87	IGIV	immune globulin, intravenous

Code	Short Description	Full Vaccine Name
14	IG, NOS	immune globulin, NOS
15	influenza, split (incl. purified surface antigen)	influenza virus vaccine, split virus (incl. purified surface antigen)
16	influenza, whole	influenza virus vaccine, whole virus
88	influenza, NOS	influenza virus vaccine, NOS
10	IPV	poliovirus vaccine, inactivated
02	OPV	poliovirus vaccine, live, oral
89	polio, NOS	poliovirus vaccine, NOS
39	Japanese encephalitis	Japanese encephalitis vaccine
63	Junin virus	Junin virus vaccine
64	leishmaniasis	leishmaniasis vaccine
65	leprosy	leprosy vaccine
66	Lyme disease	Lyme disease vaccine
03	MMR	measles, mumps and rubella virus vaccine
04	M/R	measles and rubella virus vaccine
67	malaria	malaria vaccine
05	measles	measles virus vaccine
68	melanoma	melanoma vaccine
32	meningococcal	meningococcal polysaccharide vaccine
07	mumps	mumps virus vaccine
69	parainfluenza-3	parainfluenza-3 virus vaccine
11	pertussis	pertussis vaccine
23	plague	plague vaccine
33	pneumococcal	pneumococcal vaccine
70	Q fever	Q fever vaccine
18	rabies, intramuscular injection	rabies vaccine, for intramuscular injection
40	rabies, intradermal injection	rabies vaccine, for intradermal injection
90	rabies, NOS	rabies vaccine, NOS
72	rheumatic fever	rheumatic fever vaccine
73	Rift Valley fever	Rift Valley fever vaccine
34	RIG	rabies immune globulin
74	rotavirus	rotavirus vaccine, tetravalent, live, oral
71	RSV-IGIV	respiratory syncytial virus immune globulin, intravenous
06	rubella	rubella virus vaccine
38	rubella/mumps	rubella and mumps virus vaccine
75	smallpox	smallpox vaccine
76	<i>Staphylococcus</i> bacterio lysate	<i>Staphylococcus</i> bacteriophage lysate
09	Td (adult)	tetanus and diphtheria toxoids, adsorbed for adult use
35	tetanus toxoid	tetanus toxoid
77	tick-borne encephalitis	tick-borne encephalitis vaccine
13	TIG	tetanus immune globulin
78	tularemia vaccine	tularemia vaccine
25	typhoid, oral	typhoid vaccine, live, oral
41	typhoid, parenteral	typhoid vaccine, parenteral, other than acetone-killed, dried
53	typhoid, parenteral, AKD (U.S. military)	typhoid vaccine, parenteral, acetone-killed, dried (U.S. military)
91	typhoid, NOS	typhoid vaccine, NOS
79	vaccinia immune globulin	vaccinia immune globulin
21	varicella	varicella virus vaccine
81	VEE, inactivated	Venezuelan equine encephalitis, inactivated
80	VEE, live	Venezuelan equine encephalitis, live, attenuated
92	VEE, NOS	Venezuelan equine encephalitis vaccine, NOS
36	VZIG	varicella zoster immune globulin
37	yellow fever	yellow fever vaccine

NOS=not otherwise specified. Avoid using NOS codes except to record historical records that lack the indicated specificity.

For further information on HL7 immunization data exchange and the CVX code set, contact the Chief, Systems Development Branch, National Immunization Program, Centers for Disease Control and Prevention, 1600 Clifton Road, MS E-62, Atlanta, GA 30333; (404) 639-8245. For the most recent update of this code set, see <http://www.cdc.gov/nip/registry>.

HL7 Standard Code Set MVX (Manufacturers of Vaccines)
maintained by the Centers for Disease Control and Prevention

The Centers for Disease Control and Prevention's National Immunization Program maintains the HL7 external code set MVX. The implementation of the HL7 standard for immunization data exchange is described in chapter 4 of the Health Level 7 (HL7) Standard. The codes in HL7 table 0227 represent the January 14, 1998 revision of the external MVX code set. The most recent update of this code set is available at <http://www.cdc.gov/nip/registry>.

MVX--Manufacturers of Vaccines
Updated January 14, 1998

Code	Vaccine Manufacturer/Distributor
AB	Abbott Laboratories
AD	Adams Laboratories
ALP	Alpha Therapeutic Corporation
AR	Armour [Inactive —use CEN]
AVI	Aviron
BA	Baxter Healthcare Corporation
BAY	Bayer Corporation (<i>includes Miles, Inc. and Cutter Laboratories</i>)
BP	Berna Products [Inactive —use BPC]
BPC	Berna Products Corporation (<i>includes Swiss Serum and Vaccine Institute Berne</i>)
CEN	Centeon L.L.C. (<i>includes Armour Pharmaceutical Company</i>)
CHI	Chiron Corporation
CON	Connaught [Inactive —use PMC]
EVN	Evans Medical Limited
GRE	Greer Laboratories, Inc.
IAG	Immuno International AG
IM	Merieux [Inactive —use PMC]
IUS	Immuno-U.S., Inc.
JPN	The Research Foundation for Microbial Diseases of Osaka University (BIKEN)
KGC	Korea Green Cross Corporation
LED	Lederle [Inactive —use WAL]
MA	Massachusetts Public Health Biologic Laboratories
MED	MedImmune, Inc.
MIL	Miles [Inactive —use BAY]
MIP	Michigan Biologic Products Institute
MSD	Merck & Co., Inc.
NAB	NABI (formerly North American Biologicals, Inc.)
NYB	New York Blood Center
NAV	North American Vaccine, Inc.
NOV	Novartis Pharmaceutical Corporation
OTC	Organon Teknika Corporation
ORT	Ortho Diagnostic Systems, Inc.
PD	Parke-Davis
PMC	Pasteur Merieux Connaught (<i>includes Connaught Laboratories and Pasteur Merieux</i>)
PRX	Praxis Biologics [Inactive —use WAL]
SCL	Sclavo, Inc.
SI	Swiss Serum and Vaccine Inst. [Inactive —use BPC]
SKB	SmithKline Beecham

Code	Vaccine Manufacturer/Distributor
USA	United States Army Medical Research and Materiel Command
WA	Wyeth-Ayerst [Inactive —use WAL]
WAL	Wyeth-Ayerst (<i>includes Wyeth-Lederle Vaccines and Pediatrics, Wyeth Laboratories, Lederle Laboratories, and Praxis Biologics</i>)
OTH	Other
UNK	Unknown manufacturer

NOTE: The January 14, 1998 revision of the MVX table adds new codes to accommodate previously unlisted manufacturers and to reflect changes in corporate status for some companies. Where there have been company mergers, the affected old codes have been labeled “inactive” and one new code has been assigned.

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